The NSSL Field Command vehicle observing a tornado in Goshen County, Wyoming, during the Verification of the Origins of Rotation in Tornadoes Experiment 2 (VORTEX2) operations on June 5, 2009. Photo by Michael Coniglio, NOAA/NSSL

May 2015

Moon phases are Universal Time (UT)

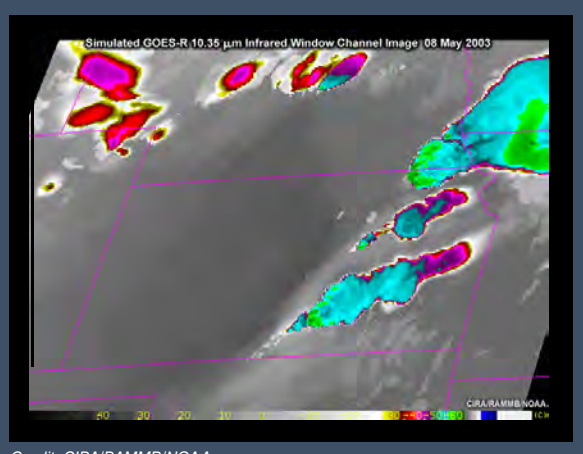
NEW MOON · FIRST QUARTER · FULL MOON · LAST QUARTER

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
APRIL S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	JUNE S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				1	2
3 GOES-G launched, 1986 GOES-L launched, 2000	4	5	6	7	8	9
10 Mother's Day	11	12	13	14	15	16
17	18	19	20	21	22 GOES-E launched, 1981	23 GOES-J launched, 1995
GOES-N launched, 2006 24 31	25 Memorial Day	26	27	28	29	30

Forecasting severe weather

The GOES-R Advanced Baseline Imager's 16 channels and frequent imaging will show changes in cloud top phase and particle size that can be used to assess storm growth and severity potential. The ABI's greater spatial resolution will provide a clearer picture of storm top signatures, such as "enhanced V" and overshooting tops, known to be associated with severe storms.

A simulated GOES-R infrared image from May 8, 2003, shows multiple mature thunderstorms with overshooting tops and "enhanced V" signatures indicating the potential for severe thunderstorm conditions.



Credit: CIRA/RAMMB/NOAA